

11/26/01  
11003 U.S. PTO

11.28.01

09/994279 PRO  
11/26/01

Please type a plus sign (+) inside this box → +

Approved for use through 10/31/2002. OMB 0651-0032.  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. PA1688US

First Inventor Tony P. Chiang

Title Method for Integrated In-Situ Cleaning and  
Subsequent Atomic Layer Deposition Within A

Express Mail Label No.

EV002169066US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 27]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 7 ]
5. Oath or Declaration [ Total Pages 3 ]
  - a.  Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement (when there is an assignee)  Power of Attorney
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: .....

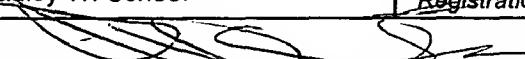
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No. \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	 (Insert customer number or print barcode label here)			<input type="checkbox"/> or <input type="checkbox"/> Correspondence address below
Name	22830			
PATENT TRADEMARK OFFICE				
Address				
City	State		Zip Code	
Country	Telephone		Fax	
Name (Print/Type)	Bradley W. Scheer		Registration No. (Attorney/Agent)	47,059
Signature			Date	Nov. 26, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 428.00)

## Complete if Known

Application Number	Unknown
Filing Date	November 26, 2001
First Named Inventor	Tony P. Chiang
Examiner Name	Unknown
Group Art Unit	Unknown
Attorney Docket No.	PA1688US

METHOD OF PAYMENT		FEE CALCULATION (continued)																																																																																																																																									
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account Number <input type="text" value="06-0600"/> Deposit Account Name <input type="text" value="Carr &amp; Ferrell, LLP"/>  <input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65 Surcharge - late filing fee or oath</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25 Surcharge - late provisional filing fee or cover sheet</td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130 Non-English specification</td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520 For filing a request for ex parte reexamination</td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920* Requesting publication of SIR prior to Examiner action</td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840* Requesting publication of SIR after Examiner action</td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55 Extension for reply within first month</td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200 Extension for reply within second month</td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460 Extension for reply within third month</td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720 Extension for reply within fourth month</td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980 Extension for reply within fifth month</td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160 Notice of Appeal</td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160 Filing a brief in support of an appeal</td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140 Request for oral hearing</td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510 Petition to institute a public use proceeding</td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55 Petition to revive - unavoidable</td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>640 Petition to revive - unintentional</td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>640 Utility issue fee (or reissue)</td></tr> <tr><td>143</td><td>460</td><td>243</td><td>230 Design issue fee</td></tr> <tr><td>144</td><td>620</td><td>244</td><td>310 Plant issue fee</td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130 Petitions to the Commissioner</td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50 Processing fee under 37 CFR 1.17(q)</td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180 Submission of Information Disclosure Stmt</td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40 Recording each patent assignment per property (times number of properties)</td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370 Filing a submission after final rejection (37 CFR § 1.129(a))</td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370 For each additional invention to be examined (37 CFR § 1.129(b))</td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370 Request for Continued Examination (RCE)</td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900 Request for expedited examination of a design application</td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> <tr> <td colspan="2">*or number previously paid, if greater; For Reissues, see above</td> <td colspan="2">SUBTOTAL (3) (\$ 40)</td> </tr> <tr> <td colspan="2">SUBMITTED BY</td> <td colspan="2">Complete if applicable</td> </tr> <tr> <td>Name (Print/Type)</td> <td>Bradley W. Scheer</td> <td>Registration No. (Attorney/Agent)</td> <td>47,059</td> </tr> <tr> <td>Signature</td> <td colspan="3">Date November 26, 2001</td> </tr> </tbody> </table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105	130	205	65 Surcharge - late filing fee or oath	127	50	227	25 Surcharge - late provisional filing fee or cover sheet	139	130	139	130 Non-English specification	147	2,520	147	2,520 For filing a request for ex parte reexamination	112	920*	112	920* Requesting publication of SIR prior to Examiner action	113	1,840*	113	1,840* Requesting publication of SIR after Examiner action	115	110	215	55 Extension for reply within first month	116	400	216	200 Extension for reply within second month	117	920	217	460 Extension for reply within third month	118	1,440	218	720 Extension for reply within fourth month	128	1,960	228	980 Extension for reply within fifth month	119	320	219	160 Notice of Appeal	120	320	220	160 Filing a brief in support of an appeal	121	280	221	140 Request for oral hearing	138	1,510	138	1,510 Petition to institute a public use proceeding	140	110	240	55 Petition to revive - unavoidable	141	1,280	241	640 Petition to revive - unintentional	142	1,280	242	640 Utility issue fee (or reissue)	143	460	243	230 Design issue fee	144	620	244	310 Plant issue fee	122	130	122	130 Petitions to the Commissioner	123	50	123	50 Processing fee under 37 CFR 1.17(q)	126	180	126	180 Submission of Information Disclosure Stmt	581	40	581	40 Recording each patent assignment per property (times number of properties)	146	740	246	370 Filing a submission after final rejection (37 CFR § 1.129(a))	149	740	249	370 For each additional invention to be examined (37 CFR § 1.129(b))	179	740	279	370 Request for Continued Examination (RCE)	169	900	169	900 Request for expedited examination of a design application	Other fee (specify) _____				*or number previously paid, if greater; For Reissues, see above		SUBTOTAL (3) (\$ 40)		SUBMITTED BY		Complete if applicable		Name (Print/Type)	Bradley W. Scheer	Registration No. (Attorney/Agent)	47,059	Signature	Date November 26, 2001		
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																								
105	130	205	65 Surcharge - late filing fee or oath																																																																																																																																								
127	50	227	25 Surcharge - late provisional filing fee or cover sheet																																																																																																																																								
139	130	139	130 Non-English specification																																																																																																																																								
147	2,520	147	2,520 For filing a request for ex parte reexamination																																																																																																																																								
112	920*	112	920* Requesting publication of SIR prior to Examiner action																																																																																																																																								
113	1,840*	113	1,840* Requesting publication of SIR after Examiner action																																																																																																																																								
115	110	215	55 Extension for reply within first month																																																																																																																																								
116	400	216	200 Extension for reply within second month																																																																																																																																								
117	920	217	460 Extension for reply within third month																																																																																																																																								
118	1,440	218	720 Extension for reply within fourth month																																																																																																																																								
128	1,960	228	980 Extension for reply within fifth month																																																																																																																																								
119	320	219	160 Notice of Appeal																																																																																																																																								
120	320	220	160 Filing a brief in support of an appeal																																																																																																																																								
121	280	221	140 Request for oral hearing																																																																																																																																								
138	1,510	138	1,510 Petition to institute a public use proceeding																																																																																																																																								
140	110	240	55 Petition to revive - unavoidable																																																																																																																																								
141	1,280	241	640 Petition to revive - unintentional																																																																																																																																								
142	1,280	242	640 Utility issue fee (or reissue)																																																																																																																																								
143	460	243	230 Design issue fee																																																																																																																																								
144	620	244	310 Plant issue fee																																																																																																																																								
122	130	122	130 Petitions to the Commissioner																																																																																																																																								
123	50	123	50 Processing fee under 37 CFR 1.17(q)																																																																																																																																								
126	180	126	180 Submission of Information Disclosure Stmt																																																																																																																																								
581	40	581	40 Recording each patent assignment per property (times number of properties)																																																																																																																																								
146	740	246	370 Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																								
149	740	249	370 For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																								
179	740	279	370 Request for Continued Examination (RCE)																																																																																																																																								
169	900	169	900 Request for expedited examination of a design application																																																																																																																																								
Other fee (specify) _____																																																																																																																																											
*or number previously paid, if greater; For Reissues, see above		SUBTOTAL (3) (\$ 40)																																																																																																																																									
SUBMITTED BY		Complete if applicable																																																																																																																																									
Name (Print/Type)	Bradley W. Scheer	Registration No. (Attorney/Agent)	47,059																																																																																																																																								
Signature	Date November 26, 2001																																																																																																																																										

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.